(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 11 August 2005 (11.08.2005)

PCT

(10) International Publication Number WO 2005/072700 A3

(51) International Patent Classification⁷:

A61L 15/32

(21) International Application Number:

PCT/DK2005/000063

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/540,005 60/546,972 30 January 2004 (30.01.2004) US 24 February 2004 (24.02.2004) US

(71) Applicant (for all designated States except US): FER-ROSAN A/S [DK/DK]; Sydmarken 5, DK-2860 Søborg (DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): MØLLER, Lene [DK/DK]; Meinungsgade 26. st.th., DK-2200 Copenhagen N (DK).

(74) Agent: PLOUGMANN & VINGTOFT A/S; Sundkrogs-gade 9, Post Office Box 831, DK-2100 Copenhagen (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL; PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
 9 September 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HAEMOSTATIC SPRAYS AND COMPOSITIONS

(57) Abstract: The present invention is directed to a powder delivery system containing a composition comprising gelatine or collagen powder having a mean particle size of at least 10 µm. The gelatine or collagen powder is typically in dry form, i.e. no liquid components and/or propellants are added to the composition. The present invention is also directed to an improved powder delivery system which contains a protective structure, such as a skirt, located close to the orifice of the delivery system. In a further aspect, the present invention is directed to gelatine- or collagen-based compositions useful in haemostatic applications. In a further aspect of the invention the powder delivery system comprises gelatine or collagen powder in a dry form ready to use. Further the powder delivery system in a dry form might comprise an agent incompatible with moisture and/or water.

